# Price-Demand-Income Elasticity Measuring Responsiveness:

#### Elasticity :

#### Price

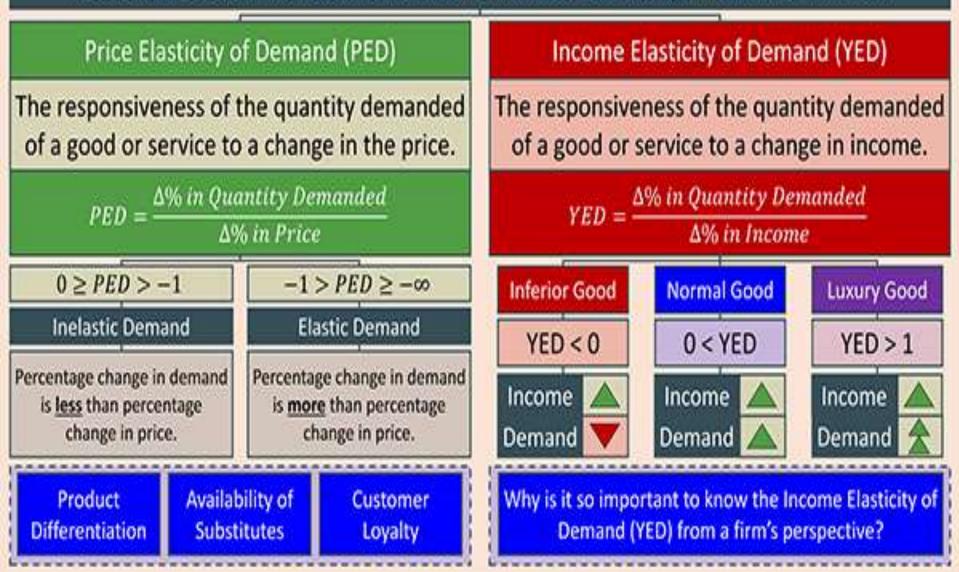
Demand

Income

#### Price and Income Elasticity of Demand



Elasticity measures the responsiveness of a variable to a change in another variable.



#### Price Elasticity of Demand

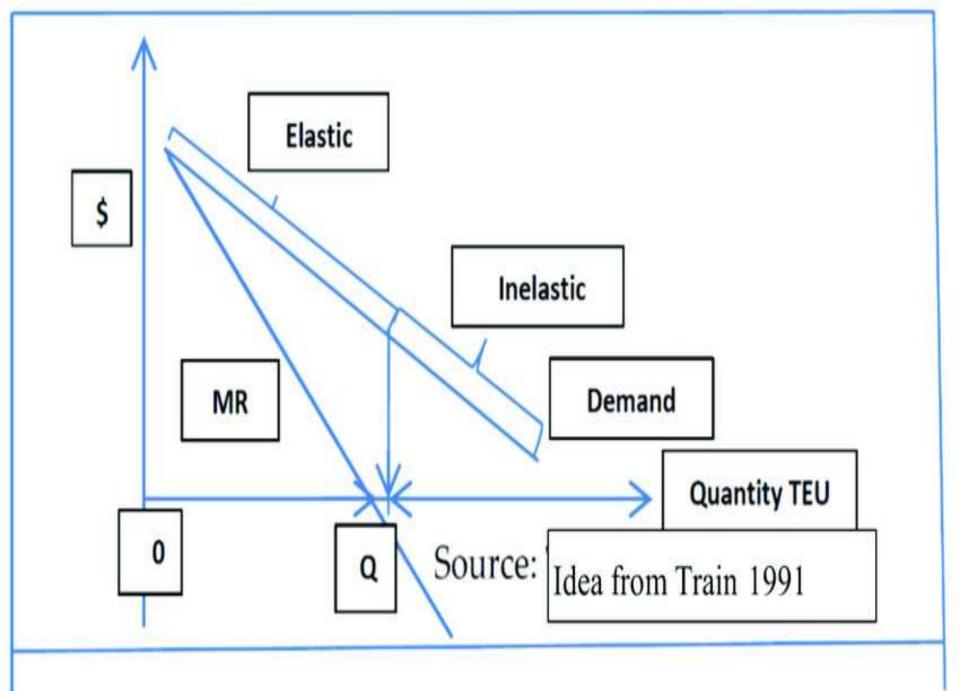
**Definition:** the effect of change in price on the quantity of demand.



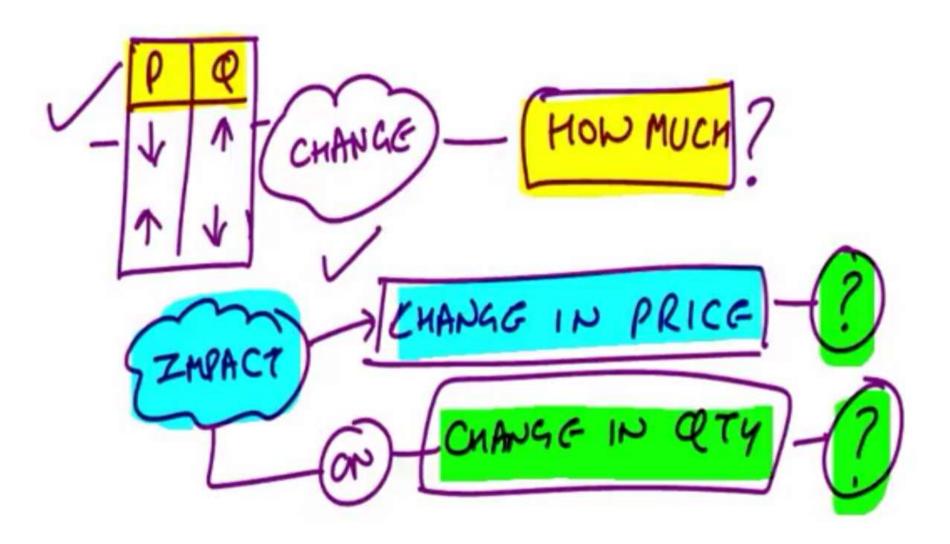


INELASTIC DEMAND

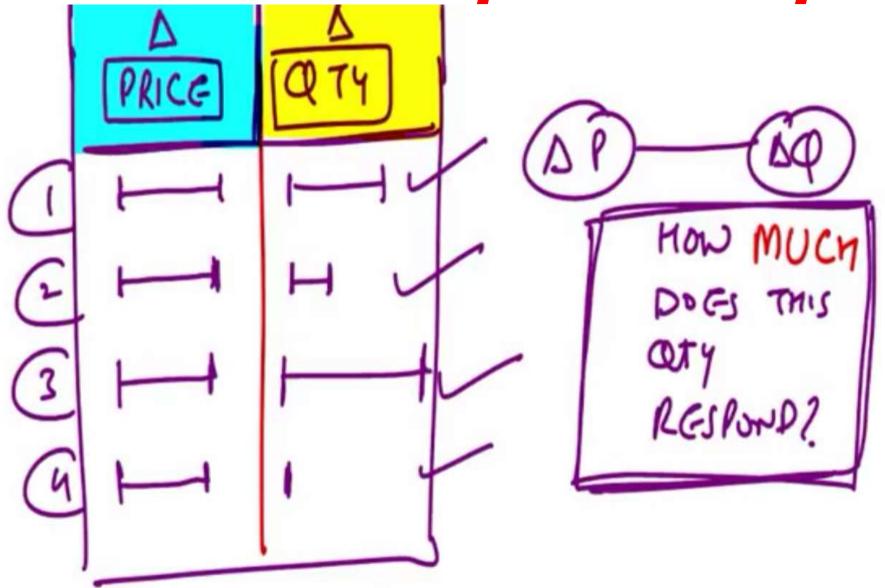
# ELASTIC



# **Price-Quantity Elasticity**

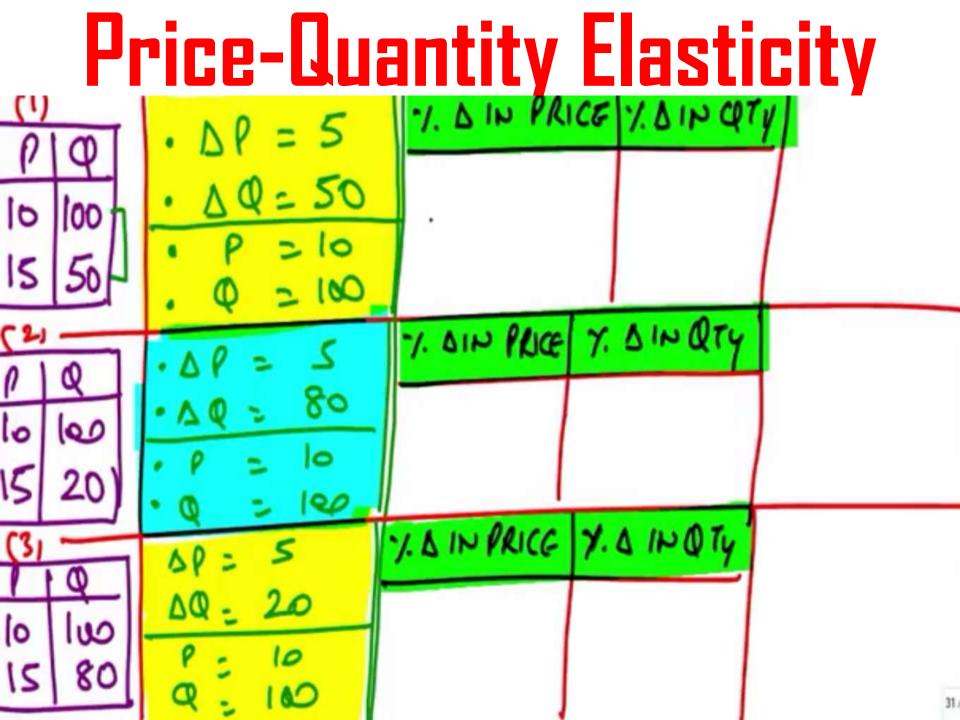


### **Price-Quantity Elasticity**

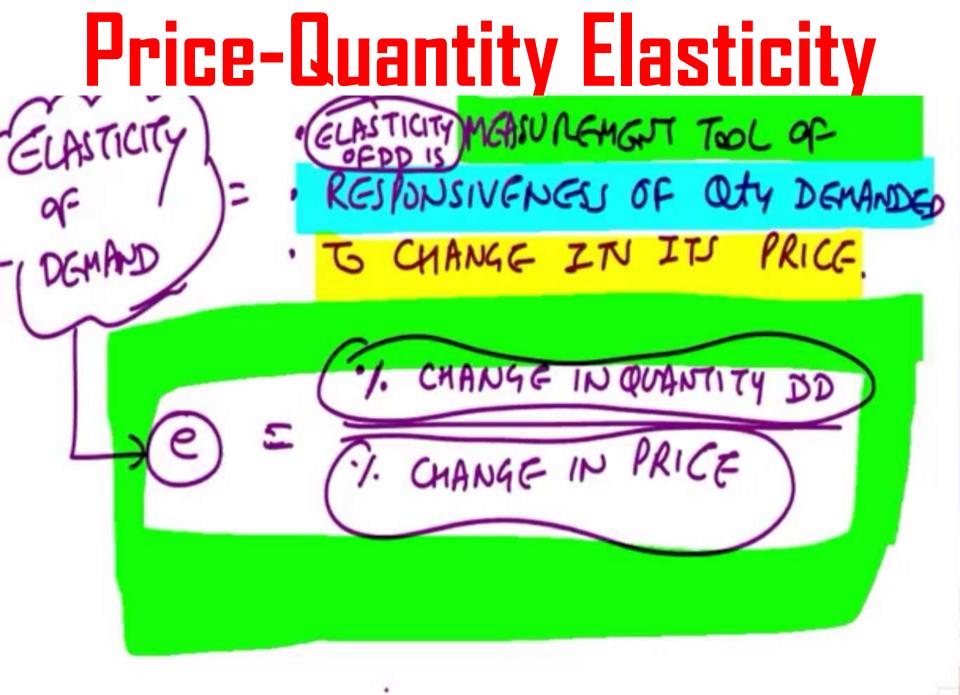


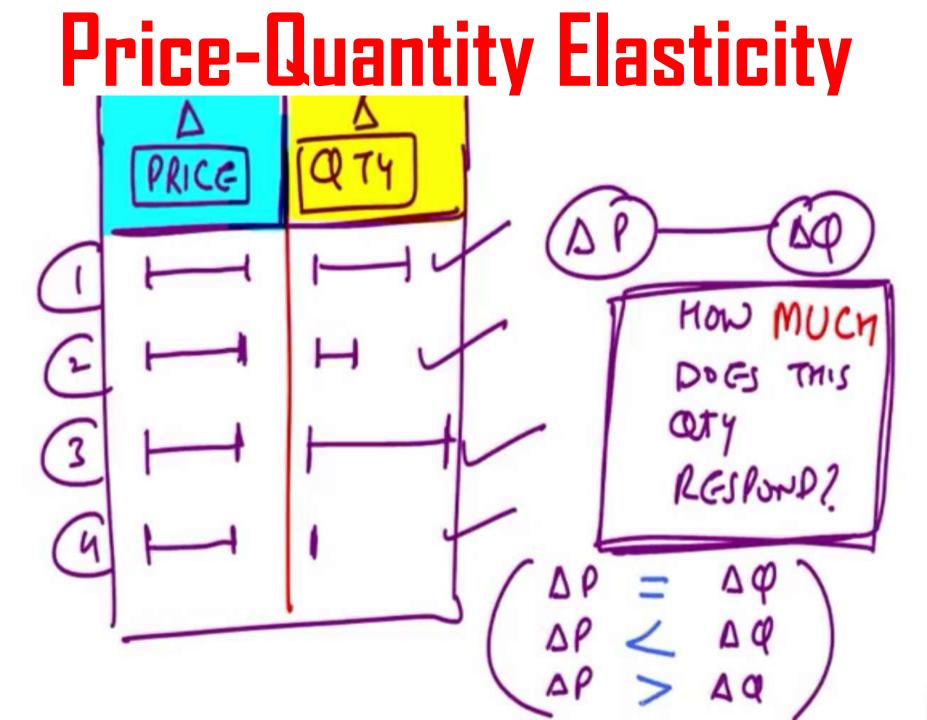
### **Price-Quantity Elasticity**

$$\begin{array}{c|c} (1) \\ P & Q \\ \hline S & S \\ \hline P & Q \\ \hline S & S \\ \hline P & Q \\ \hline S & Q \\ \hline P & Q \\ \hline S & Q \\ \hline P & Q \\ \hline S & Q \\ \hline P & Q \\ \hline S & Q \\ \hline S$$

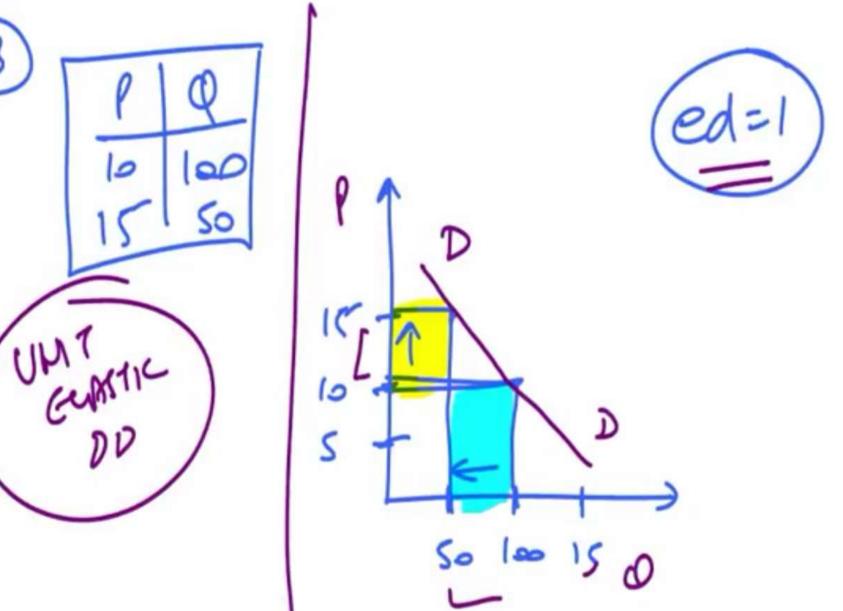


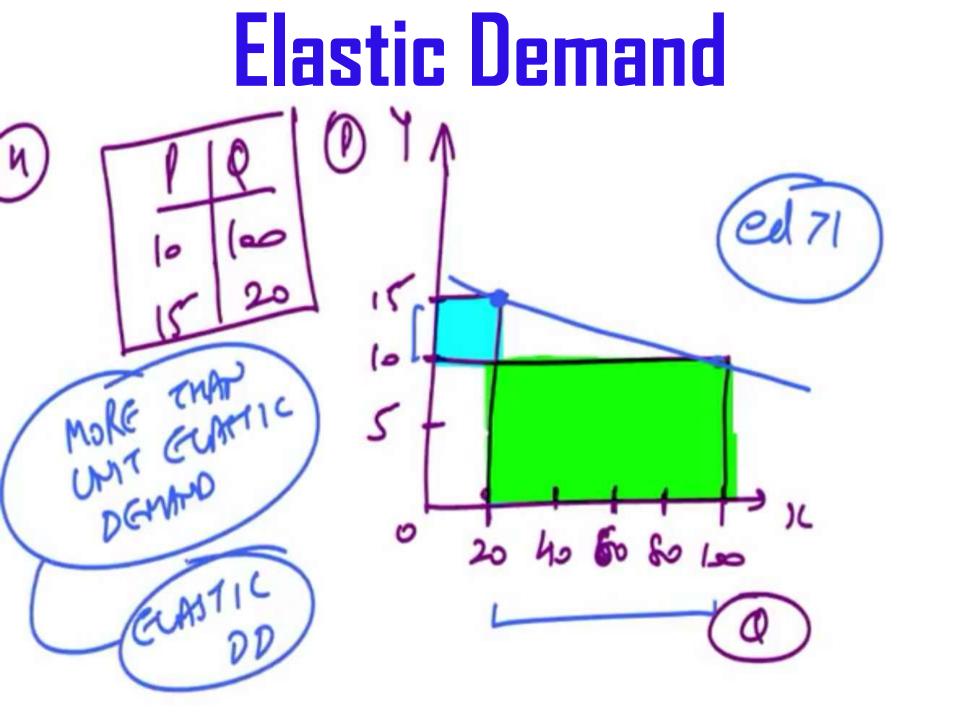






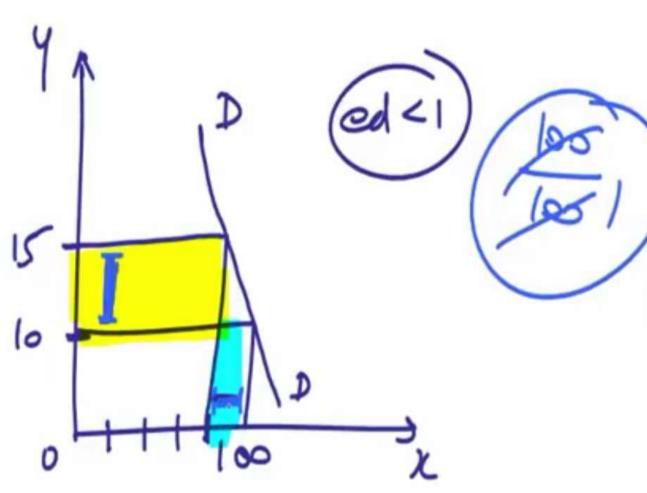
#### **Unit Elastic Demand**



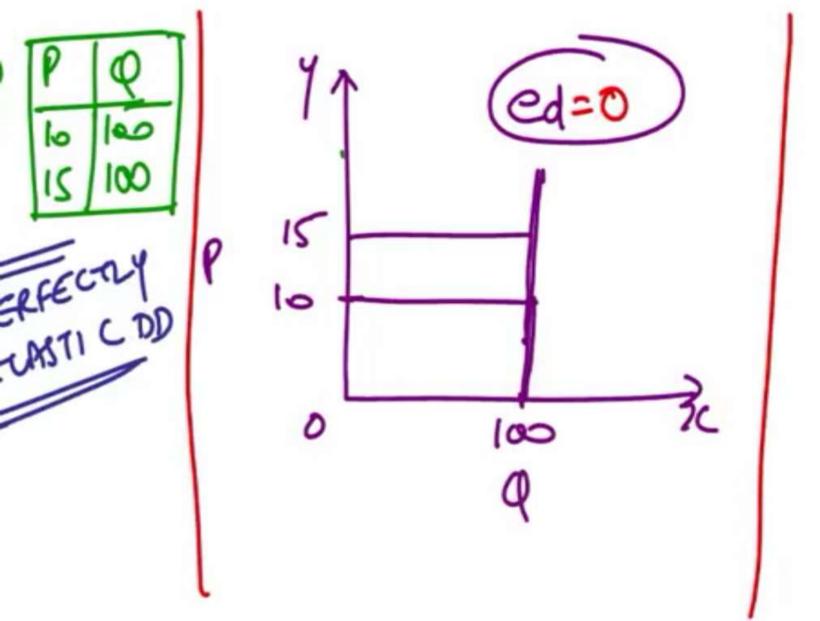


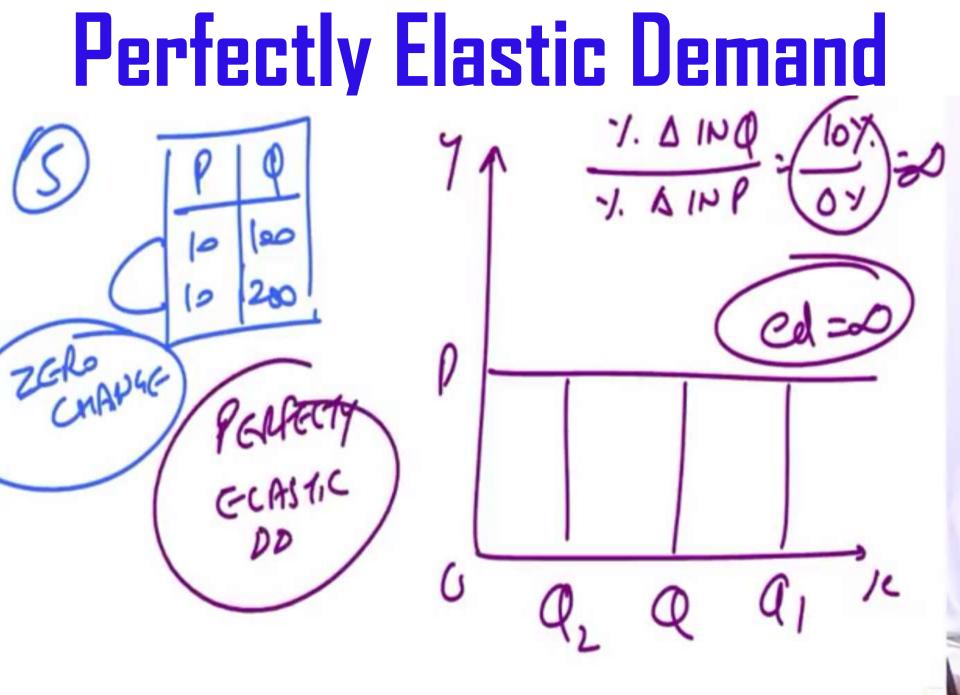
#### Inelastic Demand



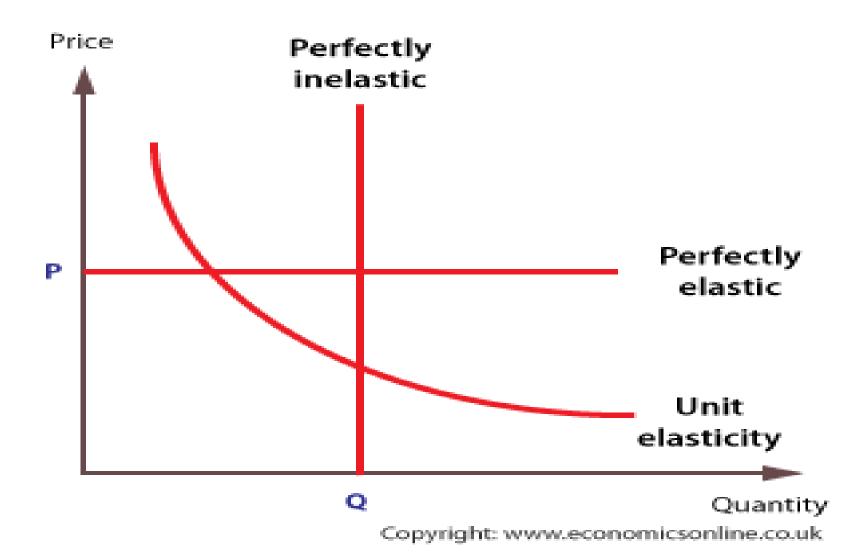


### **Perfectly Inelastic Demand**

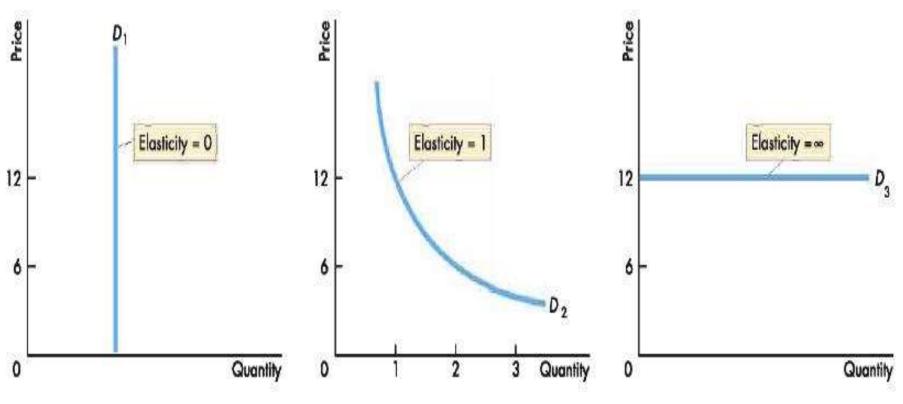




# Elasticity of Demand



# **Elasticity of Demand**



#### (a) Perfectly inelastic demand

#### (b) Unit elastic demand

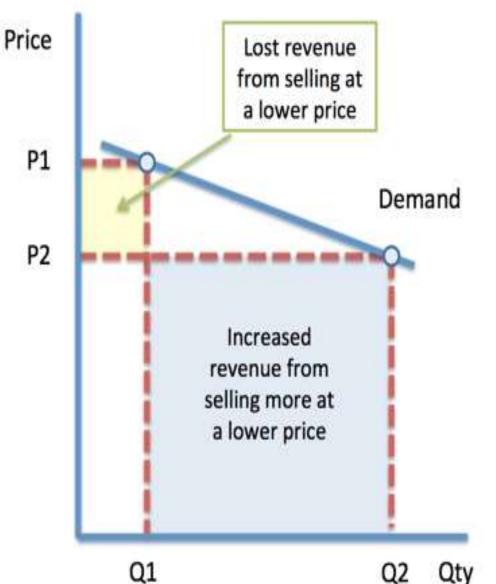
#### (c) Perfectly elastic demand

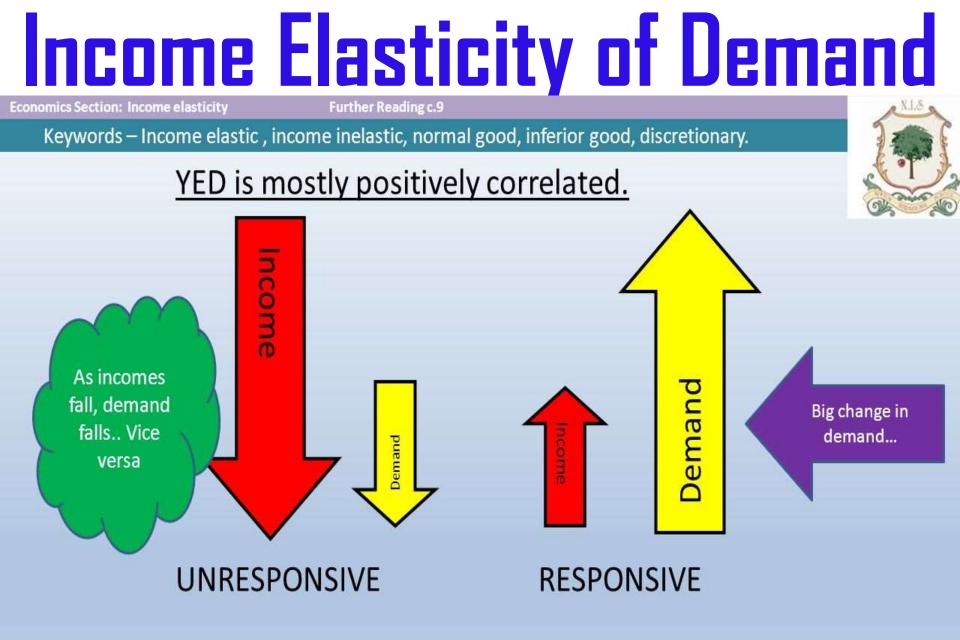
Each demand illustrated here has a constant elasticity. The demand curve in part (a) illustrates the demand for a good that has a zero elasticity of demand. The demand curve in part (b)

illustrates the demand for a good with a unit elasticity of demand. And the demand curve in part (c) illustrates the demand for a good with an infinite elasticity of demand.

# Income Elasticity of Demand

- If demand for a product is price elastic, a supplier stands to gain extra revenue if they reduce their prices.
- The change in quantity demanded will be proportionately higher than the reduction in price. This is shown in the diagram opposite.





#### Time- 30 Mins Marks-10

#### 1. Why is it so important to know the price elasticity of demand from an individual's perspective? NR

2. Why is it so important to know the price elasticity of demand from a firm's perspective?